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From: Commander, Western Division, Naval Facilities Engineering Command  
To: Distribution

Subj: INSTALLATION RESTORATION PROGRAM MONTHLY STATUS/ACTION  
REPORT FOR APRIL AT NAVAL AIR STATION, MOFFETT FIELD

1. Enclosure (1) is the Installation Restoration Status/Action Report for April 1991.
2. Should you have any questions regarding this matter, the point of contact is Commander, Western Division, Naval Facilities Engineering Command (Attn: Mr. Stephen Chao, Code 1813SC, (415) 244-2552).

Original signed by:

BELLA G. DIZON

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By direction

Encl:

- (1) Installation Restoration Monthly Status/Action Report, April 1991

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NAVAL AIR STATION, MOFFETT FIELD, CALIFORNIA  
INSTALLATION RESTORATION PROGRAM  
MONTHLY STATUS/ACTION REPORT  
APRIL 1991

1. Progress During the Reporting Period

The following activities were accomplished during the reporting period:

- Phase II drilling and soil borings on the east side of Naval Air Station (NAS) Moffett Field at Sites 3, 4, 5, 6 and 7 were concluded in April. Monitoring wells were installed primarily in the A1/A2 aquifer zones. In addition, nine free product wells were installed at Site 5. All of the newly installed monitoring wells and free product wells were developed. Dedicated pumps will be installed in the monitoring wells to facilitate groundwater sampling.
- Fourth quarter sampling of the Phase II wells at Sites 8 and 9 began on April 22, 1991. This sampling will continue into May and will be performed concurrently with sampling of the Phase I wells at Sites 8, 9, 12 and 14 and Phase I and II wells at Sites 3, 4, 5, 6 and 7. Phase II field activities are shown on Table 1, and the overall status of the Phase II field activities is shown on Table 2.
- Suspected abandoned well locations SW-1 and 13D were excavated in April; however, no evidence of a well was found. Surface restoration was completed in April. As shown on Table 3, two suspected well locations remain to be investigated.
- Preparation of the Phase I and II Tank and Sump Removal Report is continuing.
- The Building 29 Technical Memorandum was completed.
- Site 12 100% design was completed.
- The Final Site 14 South Field Investigation Technical Memorandum was completed.
- Site 14 100% design was completed.
- Preparation of the IS8 and IS9 report is continuing.
- Investigations for suspect agricultural wells is continuing.
- Work began on the revised Site 8 and 9 Action Memoranda.

2. Reports Submitted and Meetings

- The revised Final Characterization Report was submitted to Martin Marietta Energy Systems, Inc. (Energy Systems), Western Division (WESTDIV), NAS Moffett Field, and the regulatory agencies on May 3, 1991.
- The Monthly Project Status and Planning Meeting was held on April 23, 1991, at the Environmental Protection Agency, Region IX offices in San Francisco, California.
- Site 14 100% design - April 12, 1991

- Site 14 Technical Memorandum - April 12, 1991
- Site 12 100% design - April 12, 1991
- Building 29 Technical Memorandum - April 15, 1991

3. Problems Encountered and Resolutions

- Because of the inclusion of additional data for the revised Site 9 Action Memorandum, the May 2, 1991 submittal is considered a draft and subject to additional agency comments. In addition, the source controls for Site 9 will require additional field investigations to provide data needed for initiating design work. Therefore, a revised submittal date of September 1, 1991 is proposed for the 35% design. A letter requesting this schedule change and providing the rationale for the change has been submitted to the agencies.

4. Reports and Activities for the May/June Submittal

- The Second Quarter, 1991 Quarterly Report will be submitted to the regulatory agencies, Energy Systems, NAS Moffett Field and WESTDIV on May 15, 1991.
- The Work Plan for the Air Solid Waste Assessment Test at NAS Moffett Field will be submitted to the regulatory agencies in May.
- The Known Abandoned Well Blockage Removal and Closure Report will be submitted in May.
- Planned field activities for May and June are shown on Table 5.
- The TRC meeting will be held on May 7, 1991, at the Moffett Field Eagles and Anchors Club.
- Monthly agency meeting will be held on May 23, 1991 at WESTDIV.
- The Sites 8 and 9 Action Memoranda will be submitted in May.
- The Phase I and II tank and sump removal report will be submitted in May.
- Field work plans for Site 9 will be prepared in May and field activities will begin in June.
- Preparation of the Draft IS8 and IS9 report will be completed and submitted in May.
- North area field investigations will be performed in May.
- Final designs and field work plans for the Sites 12 and 14 source controls will begin.

5. Planned Field Activities for May and June

- Field work for Site 9 will begin in June.
- North Area Field Investigations will be completed in May.

6. Key Personnel Changes

- None

7. Chemical Laboratory Data Status Report

- All laboratory analysis data packages for Phase I and Phase II tank removals and Phase I and II tank location wells have been received. Laboratory data will be provided in the draft tank removal report.
- Laboratory reports for IS8 and IS9 field work have been received. Results will be submitted in the investigation report.
- Laboratory reports for Building 29 area field work have been received. Results will be submitted in the investigation report.

8. Percentage of Project Completion

- Phase I tank removal tasks - 100% complete
- Phase I tank location wells - 100% complete
- Phase II tank removal tasks - 100% complete
- Phase II tank location wells - 100% complete
- Phase I and II Tank and Sump Report - approximately 100% complete
- Sites 12 and 14 Source Control Evaluations - 100% complete
- Site 14 South Field Investigation Technical Memorandum 100% complete
- Sites 12 and 14 Source Control Designs - approximately 100% complete
- Site 12 and 14 Source Control Field Work Plans - 50% complete
- Site 12 and 14 Source Control Specifications - 90% complete
- Final Sites 8 and 9 Source Control Evaluation - 80% complete
- Abandonment of Known Wells - approximately 100% complete
- Investigation of suspect wells - approximately 80% complete
- IS8 and IS9 Field Work Plans - 100% complete
- IS8 and IS9 Field Work - 100% complete
- IS8 and IS9 Report - 90% complete
- Building 29 Field Work Plan - 100% complete
- Building 29 Field Work - 100% complete

- Building 29 Area Report - 100% complete
- Site 9 Source Control Designs - 20%
- Phase II Tank and Sump Soils Profiling - 80%
- Soil Treatability Test Plans - 70%
- North Area Field Investigations - 20%

TABLE 1. PHASE II FIELD ACTIVITIES FOR APRIL 1991  
NAS MOFFETT FIELD

SITE	SOIL BORINGS	WELL INSTALLATION	WELL DEVELOPMENT	WELL SAMPLING
3	-	X	X	-
4/6/7	-	X	X	-
5	X	X	X	-
8	-	-	-	X
9	-	-	-	X
12	-	-	-	-
14	-	-	-	-

NOTE: X DENOTES ACTIVITY  
- DENOTES NO ACTIVITY

TABLE 2. STATUS OF PHASE II ACTIVITIES AS OF APRIL 30, 1991  
NAS MOFFETT FIELD RI/FS

SITE	CONE PENETROMETER		HYDROPUNCH		SOIL BORINGS		WELL INSTALLATION	
	PLANNED	COMPLETE	PLANNED	COMPLETE	PLANNED	COMPLETE	PLANNED	COMPLETE
3	8	8	6	6	3	3	4	4
4/6/7	14	14	9	9	4	2	11	11
5	39	39	39	39	24	24	18	18
8	19	19	17	17	4	4	4	4
9	35	35	39	39	11	11	33	33
15	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0
TOTAL	115	115	110	110	46	44	70	70

NOTE: ELEVEN FREE PRODUCT WELLS ARE INCLUDED IN TOTALS (NINE IN AREA 5 AND TWO IN AREA 9).

NOTE: "PLANNED" REFERS TO THE ITEMS CURRENTLY PLANNED. THIS NUMBER MAY DIFFER FROM THE NUMBER OF ITEMS ORIGINALLY PLANNED.

TABLE 3. STATUS OF KNOWN AND SUSPECTED ABANDONED WELL CLOSURE  
AS OF APRIL 30, 1991, NAVAL AIR STATION MOFFETT FIELD

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KNOWN ABANDONED WELLS

<u>Well</u>	<u>Status</u>
12N01	Well not located and may not exist. No further activity planned.
14M	Well not located and may not exist. Further investigation ongoing.
14M01	Well closed in November 1990. Surface restoration to be completed.
14M02	Well closed in November 1990. Surface restoration to be completed.
23A01	Well location determined to be off Navy property. No further activity planned.

SUSPECT ABANDONED WELLS

SW-1	No well found at suspected location. Surface restoration complete.
SW-2	No well found at suspected location. Surface restoration is ongoing.
SW-5	No well found at suspected location. Surface restoration is ongoing.
SW-7	No well found at suspected location. No further action is planned.
SW-10	Excavation at suspected well location not yet begun. Scheduled for May 1991.
SW-11	No well found at suspected location. No further action planned.
13D	No well found at suspected location. Surface restoration is complete.
14A	No well found at suspected location. Surface restoration is ongoing.
14C	Excavation at suspected well location not yet begun. Scheduled for May 1991.

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TABLE 4. APRIL 1991 NAS MOFFETT FIELD MEETINGS

Date	Location	Attendees	Topic/Comments
04/22/91	PRC Office, San Francisco, CA	Tom Adkisson (PRC) Keith Bradley (IT) Steve Chao (WESTDIV) Don Cox (IT) Joe LeClaire (JMM) Josh Marvil (PRC) Brian Swarthout (PRC)	Monthly Technical Meeting
04/23/91	EPA Region IX, San Francisco, CA	Tom Adkisson (PRC) Steve Anschutz (Moffett) Keith Bradley (IT) Wil Bruhns (RWQCB) Steve Chao (WESTDIV) Don Chuck (Moffett) Don Cox (IT) Joe LeClaire (JMM) Josh Marvil (PRC) Cathy McDade (CDM) Lewis Mitani (EPA) Brian Swarthout (PRC)	Monthly Status/Progress Meeting

TABLE 5. PROJECTED FIELD ACTIVITIES FOR MAY AND JUNE 1991  
NAS MOFFETT FIELD RI/FS

SITE	SOIL BORINGS		WELL INSTALLATION		WELL DEVELOPMENT		WELL SAMPLING	
	MAY	JUNE	MAY	JUNE	MAY	JUNE	MAY	JUNE
3	0	0	0	0	0	0	15	4
4/6/7	0	0	0	0	0	0	22	11
5	0	0	0	0	0	0	11	9
8	0	0	0	0	0	0	5	0
9	0	0	0	0	0	0	34	0
MEW WELLS	0	0	0	0	0	0	20	0
CLEAN WELLS	0	0	0	0	0	0	9	0
TOTAL	0	0	0	0	0	0	116	24

NOTE: Totals include free product wells (nine at Site 5 and two at Site 9) in "Well Installation and "Well Development" columns, but not in "Well Sampling" column.